



## Advanced Engineering Course

Target  
Organisatin

Navy

Level

Mid-Level



 **Reference**  
**T-E02**

### 1. What is the Course about?

- ❖ Train Officers & Ratings to be proficient and gain comprehensive knowledge and understanding on Marine Engineering Equipment fitted onboard large warships
- ❖ Expose Officers/Ratings to leadership and management traits with an overview of onboard technical administration
- ❖ **Broad Syllabus** – Ship's Auxiliaries, Advanced Marine Engineering PGD, Guided Weapons Systems, EMI/EMC, Sonar Theory, Guided Weapons, CMS & Network Centric Operations



**Duration**  
**16 Weeks**

### 2. End Objectives

- ❖ On completion of the course, the individual will be able to undertake duties of Marine Engineer Officer of a large ship/Departmental in Charge
- ❖ Officer/rating will have holistic understanding of Marine Engineering Equipment operation and maintenance
- ❖ Officer/Rating will undertake a project study on technology trends

### 3. Training Methodology

- ❖ Learnings through classroom based instructions, discussions and situational roleplay/exercises
- ❖ Practical trainings through use of simulators and workshop equipment/trainers

### 4. Certification

- ❖ Will be awarded as per international norms

### 5. Requirements for the Course

- ❖ Officer/Rating should have completed Basic Engineering Course and obtained Engineering Watchkeeping Certification
- ❖ Working level knowledge of English



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**Towards Holistic Realistic Training**



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